

## Safety Data Sheet

### 1. Chemical Product and Company Identification

|  |  |
|--|--|
| <p><b>Manufacturer:</b> Nanoprotech FL, LLC.<br/> <b>Address:</b> 3406 SW 26<sup>th</sup> Terrace<br/>Suite # C-10<br/>Fort Lauderdale, FL, USA<br/>33312<br/> <b>Telephone:</b><br/> <b>Office:</b> 954-541-3645<br/>(9:30am-5:30am, M-F)<br/> <b>For Chemical Emergency:</b><br/>         Call CHEMTREC Day or Night<br/>         USA: 1-800-424-9300 CCN707963<br/>         Canada: +1 703-527-3887</p> | <p><b>Product Identifier:</b><br/>Nanoprotech Home &amp; Garden Electric<br/>Aerosol<br/> <b>Product Use:</b> liquid electrical insulation,<br/>protective coating<br/> <b>MSDS Date of Preparation:</b> 08/21/15<br/> <b>MSDS Prepared by:</b> Nanoprotech FL, LLC.</p> |
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### 2. Composition/Information on Ingredients

| Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics                |   |
|--|---|
| <b>Registration number (REACH)</b>                                 | 01-2119473851-33-XXXX   |
| <b>Index</b>   | ---   |
| <b>EINECS, ELINCS, NLP</b>   | 920-750-0 (REACH-IT List-No.)   |
| <b>CAS</b>   | CAS --  |
| <b>content %</b>   | 2,5-<15   |
| <b>Classification according to Directive 67/548/EEC</b>            | Highly flammable, F, R11<br>Dangerous for the environment, N, R51<br>Dangerous for the environment, R53<br>Harmful, Xn, R65<br>R66<br>R67 |
| <b>Classification according to Regulation (EC) 1272/2008 (CLP)</b> | Flam. Liq. 2, H225<br>Asp. Tox. 1, H304<br>STOT SE 3, H336<br>Aquatic Chronic 2, H411   |

| 2,6-Di-t-butyl-4-methyl-phenol                              |   |
|---|---|
| Registration number (REACH)                                 | 01-2119555270-46-XXXX   |
| Index   | ---   |
| EINECS, ELINCS, NLP   | 204-881-4   |
| CAS   | CAS 128-37-0  |
| content %   | 0,1-<1  |
| Classification according to Directive 67/548/EEC            | Dangerous for the environment, N, R50<br>Dangerous for the environment, R53 |
| Classification according to Regulation (EC) 1272/2008 (CLP) | Aquatic Acute 1, H400 (M=1)<br>Aquatic Chronic 1, H410 (M=1)                |

For the text of the R-phrases / H-phrases and classification codes (GHS/CLP), see Section 16.

### 3. Hazards Identification

#### Hazcom 2012/GHS Classification:

Flammable Aerosol Category 1

Gas Under Pressure: Compressed Gas Aspiration

Toxicity Category 1

**Note:** This product is a consumer product and is labeled in accordance with the US Consumer Product Safety Commission regulations which take precedence over OSHA Hazard Communication labeling. The actual container label will not include the label elements below. The labeling below applies to industrial/professional products.

#### Label Elements:



#### Emergency Overview:

**DANGER! EXTREMELY FLAMMABLE. VAPOR HARMFUL. HARMFUL OR FATAL IF SWALLOWED. CONTENTS UNDER PRESSURE.** Keep out of reach of children. Read label cautions carefully. Follow label directions to avoid injury. Use with adequate ventilation. Do not use in confined areas. Intentional misuse by deliberately concentrating and inhaling the contents of this product may be harmful or fatal. Keep away from heat, sparks or open flames. Wash hands thoroughly after each use. Do not smoke while using. Avoid contact with skin and eyes. Avoid breathing vapor or mist. Do not puncture container.

#### 4. First Aid Measures

**Inhalation:** Move from exposure to fresh air. Contact a physician if irritation develops and persists.

**Eye Contact:** Remove contact lenses if present and easy to do. Flush thoroughly for 15 minutes with plenty of water. Get medical attention if irritation develops and persist.

**Skin Contact:** Remove contaminated clothing. Wash thoroughly with plenty of soap and water. If irritation develops and persists, contact a physician.

**Ingestion:** Rinse mouth thoroughly with water. Do not induce vomiting. Contact a physician if ill effects develop and persist.

#### 5. Fire Fighting Measures

**Extinguisher Media:** Foam, Dry Chemical (B-C), CO<sub>2</sub>

**Flammability:** EXTREMELY FLAMMABLE

**Flame Projection Data EXTENSTION:** 22" **FLASH BACK:** 3"

**SPECIAL FIRE FIGHTING PROCEDURES:** Do not breathe fumes. Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. In case of fire, keep containers cool with water spray. Keep personnel upwind of fire.

**UNUSUAL HAZARDS:** Contents under pressure. Vapors may form explosive mixtures with air. Do not handle or store near an open flame, heat or other sources of ignition. Hydrocarbon solvents are basically nonconductors of electricity and can become electrostatically charged during mixing, filtering or pumping at high flow rates. If this charge reaches a significantly high level, sparks can form that may ignite vapors of flammable liquids. Do not puncture or incinerate container. Exposure to temperatures above 120°F may cause container to burst.

#### 6. Accidental Release Measures

**PROCEDURES FOR CLEANING UP LEAKS AND SPILLS:** Do not allow product to enter sewer or waterways. Prevent further leakage or spillage if safe to do so. Advise authorities if product has entered or may enter sewers, water sources or extensive land areas. This product is insoluble in water and will float on surface. Remove all sources of ignition. Ventilate area. Wear suitable protective clothing, gloves and eye/face protection. Keep upwind of the spilled material and isolate exposure. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Store in a partly filled, closed container until disposal. Dispose of spill material in accordance with local, state or federal regulations.

#### 7. Handling and Storage

**HANDLING: DANGER! EXTREMELY FLAMMABLE. VAPOR HARMFUL. HARMFUL OR FATAL IF SWALLOWED. CONTENTS UNDER PRESSURE.** Keep out of reach of children. Read label cautions carefully. Follow label directions to avoid injury. Use with adequate ventilation. Do not use in confined areas. Intentional misuse by deliberately concentrating and inhaling the contents of this product may be harmful or fatal. Keep away from heat, sparks or open flames. Wash hands thoroughly after each use. Do not smoke while using. Avoid contact with skin and eyes. Avoid breathing vapor or mist. Do not puncture container.

**STORAGE:** Keep out of reach of children. Do not store near heat, sparks, or open flames. Do not expose to temperatures above 120°F as container may vent, rupture or burst. Do not puncture or incinerate container. Do not store in direct sunlight. Store in a cool, dry, well-ventilated area away from incompatible materials. Store in accordance with **NFPA 30B** for **Level 3 Aerosols**.

## 8. Exposure Controls and Personal Protection

| Chemical  | Occupational Exposure Limits  |
|---|---|
| Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics   | 1200 mg/m <sup>3</sup> TWA<br>Content %: 2,5 - <15                              |
| 2,6-Di-t-butyl-4-methyl-phenol  | 10 mg/m <sup>3</sup> TWA<br>Content %: 0,1 - <1                                 |
| Propane   | 1000 ppm (ACGIH) TWA  |
| Butane  | 600 ppm (1450 mg/m <sup>3</sup> ) TWA<br>750 ppm (1810 mg/m <sup>3</sup> ) STEL |
| Oil mist, mineral   | 5 mg/m <sup>3</sup> (ACGIH) TWA<br>10 mg/m <sup>3</sup> (ACGIH) STEL            |
| <b>Recommendations for Normal Consumer Use</b>  |   |
| <b>Appropriate Engineering Controls:</b> Use in a well-ventilated area.   |   |
| <b>Eye Protection:</b> Avoid eye contact. Always spray away from your face.   |   |
| <b>Skin Protection:</b> Avoid prolonged skin contact. Chemical resistant gloves recommended for operations where skin contact is likely.  |   |
| <b>Respiratory Protection:</b> None needed for normal use with adequate ventilation.  |   |
| <b>Recommendations for Workplace Use</b>  |   |
| <b>Appropriate Engineering Controls:</b> Use adequate general and local exhaust ventilation to maintain exposure levels below that occupational exposure limits.  |   |
| <b>Eye Protection:</b> Safety goggles recommended where eye contact is possible.  |   |
| <b>Skin Protection:</b> Wear chemical resistant gloves.   |   |
| <b>Respiratory Protection:</b> None required if ventilation is adequate. If the occupational exposure limits are exceeded, wear a NIOSH approved respirator. Respirator selection and use should be based on contaminant type, form and concentration. Follow OSHA 1910.134, ANSI Z88.2 and good Industrial Hygiene practice. |   |
| <b>Work/Hygiene Practices:</b> Wash with soap and water after handling.   |   |

## 9. Physical and Chemical Properties

|                 |                            |  |                |
|-----------------|----------------------------|--|----------------|
| Appearance:     | Light brown, opaque liquid | Flammable Limits: (Solvent Proportion) | Not determined |
| Odor:           | Mineral oil                | Vapor Pressure:                        | Not determined |
| Odor Threshold: | Not determined             | Vapor Density: (air=1)                 | Not determined |

|                           |   |   |  |
|---------------------------|---|---|--|
| pH:                       | N/A   | Relative Density:                       | 0,83 g/cm <sup>3</sup> (Active substance )         |
| Melting/Freezing Point    | Not determined  | Solubility in water:                    | Insoluble  |
| Boiling Point/Range:      | Not determined  | Partition Coefficient; n-octanol/water: | Not determined                                     |
| Flash Point:              | Not determined  | Autoignition Temperature:               | Not determined                                     |
| Evaporation Rate:         | Not determined  | Decomposition Temperature:              | Not determined                                     |
| Flammability (solid, gas) | Not determined  | Viscosity:                              | 40-45 mm <sup>2</sup> /s (20°C, Active substance ) |
| VOC                       | 24.0 % MIN  | Physical State:                         | Mixture packaged in pressurized aerosol spray can. |
| Explosive properties:     | Product is not explosive. When using: development of explosive vapour/air mixture possible. | Specific Gravity (Concentrate):         | 0.835 – 0.845g/ml                                  |

## 10. Stability and Reactivity

**STABILITY:** Product is stable.

**CONDITIONS TO AVOID:** Heat, sparks, open flames, ignition sources, temperatures above 120°F **HAZARDOUS POLYMERIZATION:** Will not occur.

**INCOMPATIBILITIES:** Avoid contact with strong oxidizing agents, strong acids, strong alkalis. **HAZARDOUS DECOMPOSITION PRODUCTS:** CO, SO, toxic gases

## 11. Toxicological Information

### Symptoms of Overexposure

**Inhalation:** May cause central nervous system (CNS) depression. May cause drowsiness and dizziness.

**Skin Contact:** May cause de-fatting of the skin. May cause skin dryness and irritation.

**Eye Contact:** May be irritating to the eyes.

**Ingestion:** May cause central nervous system (CNS) depression.

**PRIMARY ROUTES OF EXPOSURE:** Inhalation, eye/skin contact.

**CONDITIONS AGGRAVATED BY EXPOSURE:** None known.

**ANY INGRED. LISTED CERGINOGEN:**

**OSHA** Not listed. **IARC** Not listed. **NTP** Not listed.

## 12. Ecological Information

| Nanoprotech Home & Garden Electric (Aerosol) |           |      |       |      |          |             |        |
|--|-----------|------|-------|------|----------|-------------|--------|
| Toxicity/effect                              | End point | Time | Value | Unit | Organism | Test method | Notes  |
| Toxicity to fish:                            |           |      |       |      |          |             | n.d.a. |
| Toxicity to daphnia:                         |           |      |       |      |          |             | n.d.a. |
| Toxicity to algae:                           |           |      |       |      |          |             | n.d.a. |
| Persistence and degradability:               |           |      |       |      |          |             | n.d.a. |
| Bioaccumulative potential:                   |           |      |       |      |          |             | n.d.a. |
| Mobility in soil:                            |           |      |       |      |          |             | n.d.a. |
| Results of PBT and vPvB assessment:          |           |      |       |      |          |             | n.d.a. |
| Other adverse effects:                       |           |      |       |      |          |             | n.d.a. |

## 13. Disposal Considerations

Before offering for recycling, empty the container by using the product according to the label. If recycling is not available, wrap the container and discard in the trash. Dispose of unused product in accordance with regulations.

## 14. Transportation Information

**DOT Shipping Name:** Aerosols, Limited Quantity  
**Hazard Class:** Class 2.1  
**UN/ID Number:** UN 1950

## 15. Regulatory Information

**Proposition 65** – California Safe Drinking Water and Toxic Enforcement Act of 1986 This product is not known to contain any chemicals currently listed as carcinogens or reproductive toxins under California Proposition 65 at levels which would be subject to the proposition.

## 16. Other Information

**HMIS:** Health 1 Flamm. 4 React. 0 **NFPA:** Tox. 1 Flamm. 4 React. 0

We believe all information given is accurate. It is offered in good faith but without guarantee. Since conditions of use are beyond our control, user assumes all responsibility and risk.